



# UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
United States Patent and Trademark Office  
Address: COMMISSIONER FOR PATENTS  
P.O. Box 1450  
Alexandria, Virginia 22313-1450  
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/430,124	10/29/1999	YOSHIYUKI NAKAMURA	SON-1680	6811

7590 02/11/2004

RONALD P KANANEN ESQ  
RADER FISHMAN & GRAUER  
THE LION BUILDING SUITE 501  
1233 20TH STREET N W  
WASHINGTON, DC 20036

EXAMINER

HOANG, PHUONG N

ART UNIT	PAPER NUMBER
----------	--------------

2126

15

DATE MAILED: 02/11/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Applicati n No.

09/430,124

Applicant(s)

NAKAMURA ET AL.

Examiner

Phuong N. Hoang

Art Unit

2126

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 21 November 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 4 - 7 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 4 - 7 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some \* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_\_
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_\_
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_\_

Art Unit: 2126

### **DETAILED ACTION**

1. Claims 4 - 7 are presented for examination.
2. In view of the reply brief filed on 11/21/2003, the examiner hereby withdraws the examiner answer mailed 9/22/2003 and reopens prosecution of the subject application on the merit. The examiner regrets the delay in the citation of the newly found reference.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this

Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

(e) the invention was described in a patent granted on an application for patent by another filed in the United States before the invention thereof by the applicant for patent, or on an international application by another who has fulfilled the requirements of paragraphs (1), (2), and (4) of section 371(c) of this title before the invention thereof by the applicant for patent.

The changes made to 35 U.S.C. 102(e) by the American Inventors Protection Act of 1999 (AIPA) and the Intellectual Property and High Technology Technical Amendments Act of 2002 do not apply when the reference is a U.S.

Art Unit: 2126

patent resulting directly or indirectly from an international application filed before November 29, 2000. Therefore, the prior art date of the reference is determined under 35 U.S.C. 102(e) prior to the amendment by the AIPA (pre-AIPA 35 U.S.C. 102(e)).

**4. Claims 4 - 7 are rejected under 35 U.S.C. 102(b) as being anticipated by Page et al, US Patent No. 5,329,619.**

**5. As per claim 4,** Page et al teach a mediating system [service broker system] located among "n" application systems [participants, col. 19, lines 59-61], comprising:

one data entry connected to each of said "n" application systems [each participant uses the SEND function to submit the request to the broker system when the participant acts as a client, col. 40, lines 10 - 22];

"n" data exits connected respectively to said respective "n" application systems [each participant has an associated message queue to receive requests from the broker system, fig. 6, col. 6, lines 6 - 14, col. 20, lines 12 - 14, col. 23, lines 58 - 65];

a transmission function group linked to said one data entry and to said "n" data exits for receiving data originated from one of said "n" application systems [col. 40, line 10 - col. 41, line 45, col. 47, lines 17 - 25] and for transmitting the data received through said data entry to a destination application system among

Art Unit: 2126

said "n" application [col. 41, line 45 - col. 42, line 38, col. 47, lines 27 - 30, col. 51, lines 65 - 67];

a transmission path determination function group for selectively determining said destination application system among said "n" application systems in accordance with a destination name [name of the service to be performed] attached to the data [service request] received through said data entry [the dispatcher identifies the server that can perform the requested service, col. 41, lines 19 - 20].

6. In summary, Page et al teach a store and forward service broker system having a plurality of application systems [n participants] wherein each participant acts as both client and server [col. 4, lines 26 - 28, col. 19, lines 59 - 61]. The service broker has one input to receive requests from the n participants [each participant is a client] and n outputs each associated with one of the n participants [each participant is a server, col. 19, lines 59-60. Each server has an associated message queue in the service broker for storing pending service requests, fig. 6, col. 6, lines 6 - 14, col. 20, lines 12 - 14, col. 23, lines 58 - 65].

A client sends data [service request] with the name of the destination [name of the service to be performed] to the service broker [col. 40, lines 10 - 13, col. 47, lines 17 - 25]. The service broker identifies the receiving application system [the dispatcher identifies the server that can perform the requested service, col. 41, lines 19 - 20, and stores the request in the message queue corresponding to identified server, col. 41, line 22 - 26]. The service broker sends

Art Unit: 2126

the data to the identified application system via the corresponding exit [col. 41, line 46 - 56, col. 47, lines 27 - 30, col. 51, lines 65 - 67]. Furthermore, the broker also provides a naming service that provides a match between the logical server identification given by the client and the real server address [col. 3, lines 58 - 61, col. 9, lines 16 - 19, col. 46, lines 34 - 36].

7. **As per claim 5**, Page et al teach the database [participant control blocks, col. 20, line 2 - col. 21, line 35] and adaptor means [col. 47, line 66 - col. 48, line 22].

8. **As per claim 6**, Page et al teach a mediating system [service broker system] located among "n" application systems [participants, col. 19, lines 59-61], comprising:

a data entry connected to each application system [each participant uses the SEND function to submit the request to the broker system when the participant acts as a client, col. 40, lines 10 - 22];

a plurality of data exits, each data exit connected respectively to a corresponding application systems [each participant has an associated request queue to receive requests from the broker system, fig. 6, col. 6, lines 6 - 14, col. 20, lines 12 - 14, col. 23, lines 58 - 65];

a transmission function group linked to said one data entry connected to a first application system [a first participant] and to at least one of said data exits connected to a second application system [other participant] for receiving data

Art Unit: 2126

originated from said first application systems [col. 40, line 10 - col. 41, line 45, col. 47, lines 17 - 25] and for transmitting the data received through said data entry to the second application system [col. 41, line 45 - col. 42, line 38, col. 47, lines 27 - 30, col. 51, lines 65 - 67];

a transmission path determination function group for selectively determining said second application system among said plurality of application systems in accordance with a destination name [name of the service to be performed] attached to the data [service request] received through said data entry [the dispatcher identifies the server that can perform the requested service, col. 41, lines 19 - 20].

9. **As per claim 7**, Page et al teach the database [participant control blocks, col. 20, line 2 - col. 21, line 35] and adaptor means [col. 47, line 66 - col. 48, line 22].

10. **Claims 4 - 7 are rejected under 35 U.S.C. 102(e) as being anticipated by Agraharam et al, US Patent No. 5,987,508.**

11. **As per claim 4**, Agraharam et al teach a mediating system [alias address translation system] located among "n" application systems [n client computers 101, 102 that use the alias email address system], comprising:

Art Unit: 2126

one data entry connected to each of said "n" application systems [each client terminal sends the email message using telephone number alias name to the translation server 110, col. 3, lines 52 - 53];

"n" data exits connected respectively to said respective "n" application systems [the translation server is connected to each of the client terminals];

a transmission function group linked to said one data entry and to said "n" data exits for receiving data [email message] originated from one of said "n" application systems and for transmitting the data received through said data entry to a destination application system among said "n" application [fig. 1];

a transmission path determination function group for selectively determining said destination application system among said "n" application systems in accordance with a destination name [telephone number alias name] attached to the data [email message] received through said data entry [the translation server uses the telephone number alias name to identify the real email address associated with that telephone number and forwards the received email message to the recipient's actual email address, col. 3, lines 59 - 63, col. 7, line 63 - col. 8, line 8].

12. **As per claim 5**, Agraharam et al teach the database [117, col. 3, line 60] and adaptor means [fig. 1].



Art Unit: 2126

13. **As per claim 6**, Agraharam et al teach a mediating system [alias address translation system] located among "n" application systems [n client computers 101, 102 that use the alias email address system], comprising:

a data entry connected to each application system [each client terminal sends the email message using telephone number alias name to the translation server 110, col. 3, lines 52 - 53];

a plurality of data exits, each data exit connected respectively to a corresponding application systems [the translation server is connected to each of the client terminals];

a transmission function group linked to said one data entry connected to a first application system [101, fig. 1] and to at least one of said data exits connected to a second application system [102, fig. 1] for receiving data [email message] originated from said first application systems and for transmitting the data received through said data entry to the second application system [fig. 1];

a transmission path determination function group for selectively determining said second application system among said plurality of application systems in accordance with a destination name [telephone number alias name] attached to the data [email message] received through said data entry [the translation server uses the telephone number alias name to identify the real email address associated with that telephone number and forwards the received email message to the recipient's actual email address, col. 3, lines 59 - 63, col. 7, line 63 - col. 8, line 8];

Art Unit: 2126

14. **As per claim 7**, Agraharam et al teach the database [117, col. 3, line 60] and adaptor means [fig. 1].

### ***Conclusion***

15. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Page et al, US Patent No. 5,329,619.

Agraharam et al, US Patent No. 5,987,508.

16. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Phuong N. Hoang whose telephone number is (703) 605-4239. The examiner can normally be reached on Monday - Friday 9:00 am to 5:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Meng-Ai An can be reached on (703)305-9678. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2126

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Ph  
February 9, 2004



MENG-AL T. AN  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2100